

## Public Comment Hearings, Washington, DC

April 30, 2004

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## UNITED STATES OF AMERICA

+ + + + +

## DEPARTMENT OF ENERGY

+ + + + +

## PUBLIC HEARING

ON THE SITE-WIDE ENVIRONMENTAL IMPACT STATEMENT FOR  
CONTINUED OPERATION OF LAWRENCE LIVERMORE NATIONAL  
LABORATORY AND SUPPLEMENTAL STOCKPILE STEWARDSHIP  
AND MANAGEMENT PROGRAMMATIC ENVIRONMENTAL IMPACT  
STATEMENT

## PUBLIC COMMENT

+ + + + +

Friday, April 30, 2004

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The public comment came to order at 11:00  
a.m. in room 1E-245 of 1000 Independence Ave, NE  
Washington, DC. Holmes Brown, Facilitator,  
presiding.

PRESENT:

Holmes Brown      Facilitator  
Tom Grim          SW/SPEIS Document Manager  
Gordan Guenterberg      LLNL  
Janet Neville      NEPA Compliance Officer

PUBLIC PRESENT:

Ilene LaLand      Rhythm Workers Union  
Paul Leventhal      Nuclear Control Institute  
Victoria Samson      Center for Defense Information  
Arjun Makhijani      IEER  
Loulana Miles      Tri-Valley CAREs  
Christopher Paine      NRDC  
Jim Bridgman      ANA  
Dianne D'Arrigo      NIRS

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1 P-R-O-C-E-E-D-I-N-G-S

2 10:55 a.m.

3 FACILITATOR BROWN: It's now time to  
 4 receive your comments for inclusion in the formal  
 5 record, and this record will be transcribed by a  
 6 court reporter.

7 I'll call on speakers in the order in  
 8 which they signed up. Please come up to this  
 9 podium and introduce yourself, providing an  
 10 organization affiliation if appropriate. If you  
 11 haven't signed in yet, just " I guess there's a  
 12 sign-up sheet over on the side and we can add your  
 13 name to the list.

14 If you have a written copy of your  
 15 statement, after you've completed your statement  
 16 you can give that to Tom, and he'll hand that on to  
 17 the court reporter to cross check with his own  
 18 record.

19 Also, if you have any appendices,  
 20 things that you are not actually wanting to read  
 21 but would like to have entered in the record for  
 22 consideration, Tom will accept those as well and  
 23 make those part of the record.

24 We have a smaller group signed up today  
 25 than we've had at our previous meetings, but to

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1 ensure that people meet their schedules and  
 2 everybody has an opportunity to speak I'll ask that  
 3 if you can confine your remarks to ten minutes,  
 4 that usually gives people enough time to get  
 5 everything said.

6 Also, I should remind you that comments  
 7 submitted, whether they are given on the public  
 8 record or submitted in writing, by e-mail, fax or  
 9 whatever, all receive equal consideration. The  
 10 Department receives them and considers them all  
 11 equally.

12 I'll give you notice at the nine minute  
 13 mark, just so you can conclude your remarks, and  
 14 also will call the next speaker at the same time,  
 15 just so you have an opportunity to be ready.

16 Tom Grim will be serving as the hearing  
 17 officer for the National Nuclear Security Agency  
 18 for this hearing.

19 So, with that, if I may call our first  
 20 signed-up speaker, who is Ilene LaLand.

21 Ms. LaLAND: Thank you. My name is  
 22 Ilene LaLand, and I'm a part-time resident in  
 23 Livermore, and what we've been dealing with over  
 24 the many years that I've been there has been lots  
 25 of pollution. Pollution, the grapes has been

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1 contaminated, the milk has been contaminated,  
2 honey has been contaminated. The soil has been  
3 contaminated, there's even been garden, you know,  
4 sludge that has been given to the community for  
5 their flower and vegetable production in their home  
6 communities that have been laden with different  
7 elements from the lab that they had no idea that  
8 they were receiving when they received it.

9 There's been enormous amounts of  
10 accidents, spills into the water. The lab has  
11 polluted two huge aquifers, and it did take a  
12 lawsuit, I believe, to get them to clean that.

13 There's, I believe, also a document  
14 that is significantly undercutting the clean-up  
15 plans at the lab right now, so this doesn't make me  
16 feel very comfortable about the protection and the  
17 way that they are working with the community.  
18 There's been accidents that have not even been told  
19 about to the community, the community hasn't been  
20 warned about them, so I'm concerned about the  
21 relationship that the lab actually has with the  
22 community.

23 I've been living in the Bay area for 20  
24 years or so on and off, and we've been dealing with  
25 what the lab has already left behind in the past

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1 and are still producing.

2 Their protection to the community, like  
3 I said, has been very bad. So, my first question  
4 is about the clean-up and reducing the clean-up,  
5 and I'm wondering if that's because with all this  
6 additional plutonium and tritium coming out there  
7 and bio warfare, anthrax, botulism, the Plague  
8 coming out there, that we can trust the lab to not  
9 only be respectful with it, but to " how would they  
10 protect the community in case of an accident, in  
11 case of " it's on a fault line, there is " it's on  
12 the airline flight pattern, so there's numerous  
13 ways that accidents can happen, including  
14 terrorism.

1/04.01

15 And, in the pictures that you showed of  
16 the lab and site 300, it didn't show the dense,  
17 dense population that starts from across the street  
18 from the lab and goes all the way to San Francisco,  
19 and it's growing all the time. The open space  
20 around the lab right now is being filled it seems,  
21 there's construction going on all around it. So,  
22 it's getting more densely populated all the time.

23 And so, I want to know what the " how  
24 you would protect the people in Livermore if there  
25 was a terrorist attack on the lab, if there was an

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1 accident in the way of an earthquake, if a plane  
 2 falls on the lab, like these things do happen, if  
 3 it falls into a bio lab or into a room that has  
 4 three times the amount of plutonium that it's  
 5 allowed to have, how would you even evacuate  
 6 Livermore, never mind 7 million people in the Bay  
 7 area. When people are so close as across the 3/25.05  
 8 street, and there's hundreds and hundreds of people  
 9 living in these apartment houses, women, children,  
 10 homes, how can you possibly protect them in the  
 11 situation that I propose?  
 12 And, I just want to make a comment that  
 13 we don't want this kind of stuff in our future.  
 14 How could we be so tantalized by the idea of  
 15 killing millions of people in other countries, that  
 16 we would risk killing so many people in our own  
 17 country, and destroying the environment to the  
 18 point where our children, our grandchildren, will 1/04.01  
 19 have to deal with this for the rest of their lives, cont.  
 20 maybe risking the ability for them to have children  
 21 and grandchildren.  
 22 And, I want to make a comment that in  
 23 my community I do not want " I don't want this  
 24 built in my community, I don't want it going out  
 25 into other communities and killing a lot of

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1 innocent people that don't deserve this anymore 1/04.01  
 2 than we deserve it in Livermore. cont.  
 3 Thank you.  
 4 FACILITATOR BROWN: Thank you very much.  
 5 Paul Leventhal. And, Paul will be  
 6 followed by Victoria Samson.  
 7 MR. LEVENTHAL: Good morning, and thank  
 8 you for the opportunity to make a statement.  
 9 My statement will focus on achievement  
 10 in Appendix N of the Plutonium AVLIS project that  
 11 is proposed. The Nuclear Control Institute, of  
 12 which I'm the Founding President, strongly opposes, 4/01.01  
 13 particularly on non-proliferation grounds, the  
 14 Department of Energy's plan to provide the long  
 15 dormant plutonium AVLIS plans at Lawrence Livermore  
 16 National Lab.  
 17 In 1990, the Reagan Administration  
 18 decided to zero out funding for the construction of  
 19 the predecessor Special Isotope Separation, the SIS  
 20 plant, a facility capable of purifying plutonium  
 21 obtained from nuclear power plants, including the N 5/27.01  
 22 Reactor, into material ideally suited for nuclear  
 23 weapons.  
 24 The decision to halt work on the SIS  
 25 plant at DOE's Idaho Falls site at that time,

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1 represented a major victory for nuclear non-  
 2 proliferation. A key factor in the decision to  
 3 cancel the plan was a report on the Nuclear Weapons  
 4 Production Complex, by the National Research  
 5 Council, that stressed the considerable  
 6 proliferation risks posed by the plutonium isotope  
 7 separation technology.

8 The report warned that, "Technology for  
 9 converting reactive grade to weapons-grade  
 10 plutonium forms a potential bridge between the  
 11 civilian fuel cycle and weapons production." And,  
 12 the report concluded, "Any additional decision to  
 13 proceed with the SIS facility should explicitly  
 14 consider the implications of the technology for  
 15 nuclear proliferation."

16 And, I will conclude my remarks by  
 17 calling for a separate non-proliferation impact  
 18 evaluation to be made an integral part of the draft  
 19 EIS that can be considered under the terms of NEPA.

20 The National Research Council report in  
 21 December, '89, mirrored the non-proliferation  
 22 arguments made in a letter signed by 31 experts on  
 23 nuclear weapons and nuclear non-proliferation that  
 24 was released the previous May by the Nuclear  
 25 Control Institute. A letter which was sent to the

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6/01.01

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1 committees of jurisdiction on Capitol Hill  
 2 explained in detail the threat posed by the SIS  
 3 technology, and to the vital separation of civilian  
 4 and military uses of nuclear energy, and the  
 5 dangerous precedent that the construction would set  
 6 for non-nuclear weapon states.

7 Those arguments were influential in  
 8 Congress' decision to delete most of the funding  
 9 from the SIS project from the plutonium AVLIS  
 10 project, and the Reagan Administration's eventual  
 11 decision to kill it. And, those arguments, I  
 12 contend, are equally applicable today and should be  
 13 considered.

14 Proceeding with the plant, the signer  
 15 of the letter warned, would do serious damage to  
 16 the United States' longstanding national security  
 17 objective of discouraging and inhibiting further  
 18 nations or terrorists from acquiring nuclear  
 19 weapons. And, among the signers of that letter were  
 20 Gerard Smith, the former Chief SALT I negotiator  
 21 and former Ambassador at Large for Nuclear Non-  
 22 proliferation, Paul Warnke, the first U.S. Arms  
 23 Control and Disarmament Agency Director, Peter  
 24 Bradford, a former Commissioner of the Nuclear  
 25 Regulatory Commission, Russell Peterson, former

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1 Director of the Congressional Office of Technology  
 2 Assessment, and Friedman Dyson of the Princeton  
 3 Institute for Advanced Study, as well as several  
 4 other academic and independent experts on nuclear  
 5 weapons matters. And, I have recovered this letter  
 6 from the archives of the Nuclear Control Institute,  
 7 and I've attached it to my testimony, and I would  
 8 like it to be considered part of the record.

9 The experts asserted that construction  
 10 and operation of the SIS plant would threaten U.S.  
 11 non-proliferation objectives without providing  
 12 offsetting national security benefits, and they  
 13 cited four concerns.

14 The first was the potential use,  
 15 according to DOE's own witnesses at that time, for  
 16 the use of the plant on plutonium recovered from  
 17 commercial spent fuel. The second was completion  
 18 of the SIS plant could lead to the spread of SIS-  
 19 type laser technologies worldwide and pose  
 20 unprecedented challenges containing nuclear  
 21 programs of emerging and advanced industrial states  
 22 to exclusively peaceful purposes. The third was  
 23 that the operation of the SIS-type facilities in  
 24 nuclear non-weapon states would present a  
 25 formidable safeguards task for the International

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1 Atomic Energy Agency, processing and storage of  
 2 unprecedented quantities, large number of plutonium  
 3 isotopes would require development of a new  
 4 safeguards regime for which the IAEA, in the words  
 5 of these experts, as "no previous experience and is  
 6 ill-equipped," and that situation applies to this  
 7 day. And last, the plutonium purification process  
 8 carried out in an SIS plant could inadvertently  
 9 completely thwart an important technical means to  
 10 verify future arms reductions, thereby having an  
 11 unintentional adverse effect on verification of  
 12 arms control agreements between the United States  
 13 and the then Soviet Union.

14 The experts concluded, "In view of the  
 15 acknowledge surplus of plutonium in the U.S.  
 16 nuclear arsenal, there are no clear national  
 17 security benefits that offset the obvious nuclear  
 18 proliferation and terrorism risks, as well as  
 19 safeguards and verification problems opposed by the  
 20 plant construction and use of the plant."

21 Now, it is by no means clear that there  
 22 are national security benefits today that would  
 23 justify DOE's planned revival of the plutonium  
 24 laser isotope separation plant at this time at  
 25 Livermore. The site-wide environmental impact

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1 statement speaks only of a "need for augmentation  
2 of the current inventory of special nuclear  
3 material, example, plutonium-enriched uranium, to  
4 support the Stockpile Stewardship Certification  
5 activities." The type of plutonium needed is not  
6 specified, but it is widely assumed that plutonium  
7 242 is needed for hydrodynamic testing of a mock-up  
8 nuclear weapon during which high explosives are  
9 detonated and the resulting motions and reactions  
10 of materials and components are measured.

11 But, there is no analysis of why this  
12 isotope of plutonium could not be produced by  
13 simply irradiating target material in an operating  
14 reactor within the DOE complex, as had been done in  
15 the production reactors at the Savannah River site  
16 when they were operating.

17 Equally troubling is the absence of any  
18 discussion in the EIS of what mission the plutonium  
19 isotope separation plant, presumably with a 30-year  
20 design life, would be given after any campaign to  
21 separate plutonium 242 is completed.

22 The predecessor SIS plant was supposed  
23 to process eight to nine metric tons of DOE fuel-  
24 grade plutonium into weapons-grade plutonium over a  
25 period of less than ten years, and it had not been

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1 assigned an additional role after that work was  
2 completed. This was a matter of considerable  
3 concern at the time, because DOES Acting Assistant  
4 Administrator for Defense had testified before the  
5 House Armed Services Committee that commercial  
6 spent fuel, "is a potential" plutonium source for  
7 the SIS facility, although not part of present  
8 planning for the facility because a "major change  
9 in law" would be required.

10 The law he was referring to was the  
11 Hart Simpson Mitchell Amendment to the Atomic  
12 Energy Act, an act of 1982, prohibiting military  
13 use of commercial plutonium or enriched uranium.  
14 It was enacted directly in response to DOE's  
15 original mission for the SIS plant, that is, for  
16 the plutonium AVLIS technology, to produce weapons-  
17 grade plutonium from plutonium in commercial spent  
18 fuel, a practice that would have violated a basic  
19 tenet of U.S. non-proliferation policy, separation  
20 of civilian from military applications of nuclear  
21 energy, and only a congressional declaration of  
22 national emergency could have overridden that  
23 statute.

24 Given this troubling history, it is  
25 important to get assurances of what the plutonium

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1 isotope separation plant will not be used for, as  
 2 it is to get details of what the plant would be  
 3 used for.

4 Unless potential use of the plant as a  
 5 bridge between military and civilian applications  
 6 of nuclear energy is specifically ruled out, there  
 7 is a strong likelihood that DOE will find a way to  
 8 bridge the gap.

9 Now, the Bush-Cheney Energy Plan,  
 10 released in May of 2000, makes clear that this  
 11 Administration is favorably disposed toward the  
 12 reprocessing of commercial nuclear power plant  
 13 spent fuel. The energy plan cites the reprocessing  
 14 experience of Britain, France and Japan, as an  
 15 example for the United States to follow. There are  
 16 high costs, severe security risks, unresolved waste  
 17 disposal problems, and mounting stockpiles of  
 18 unwanted plutonium associated with these programs,  
 19 yet the nuclear industry and its allies on Capitol  
 20 Hill have been pushing the Bush Administration to  
 21 reverse the decisions against reprocessing made in  
 22 the Ford, Carter and Reagan Administrations, and to  
 23 follow the Europeans and the Japanese instead.

24 Now, a major defect of the draft Site-  
 25 Wide Livermore EIS is that there is no non-

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1 proliferation analysis of the impact of the  
 2 plutonium AVLIS program. NCI's position is that  
 3 proliferation implications of the AVLIS plant must  
 4 be included in the EIS, in the Site-Wide EIS, and  
 5 thoroughly analyzed before any decision on  
 6 proceeding with the plant is made. A non-  
 7 proliferation impact analysis should be prepared  
 8 and made an integral part of the EIS and subject to  
 9 review under the terms of NEPA.

10 FACILITATOR BROWN: You're at nine  
 11 minutes.

12 MR. LEVENTHAL: Okay, I just have about  
 13 a minute more.

14 The review should include a thorough  
 15 analysis of the impacts of the laser separation  
 16 technology, which if developed and applied at  
 17 Livermore could be disseminated or otherwise  
 18 stimulate development of such plants in non-nuclear  
 19 weapon states under civilian auspices for  
 20 production of weapons-grade plutonium.

21 An example of such a transfer by DOE of  
 22 military nuclear technology was the transfer to  
 23 Japan in the 1980s by Oak Ridge National Laboratory  
 24 of breeder-blanket reprocessing technology for  
 25 separation of weapons-grade plutonium. The Oak

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1 Ridge blueprints were used for the design of  
 2 Japan's RETF facility. This was deemed by DOE not  
 3 to be a transfer of sensitive nuclear technology  
 4 prohibited from export to a non-nuclear weapon  
 5 state on the grounds that Japan already had a  
 6 civilian reprocessing program, albeit one applied  
 7 to spent fuel, not breeder-blanket material. The  
 8 same logic that applied to future transfer of  
 9 plutonium AVLIS technology to Japan on grounds that  
 10 Japan already has a laser program, albeit profusion  
 11 development, not plutonium confinement purposes.

12 The proliferation significance of the  
 13 AVLIS technology has been made all the more  
 14 apparent by Iran's admission last fall to the IAEA  
 15 that it has been secretly pursuing a laser-based  
 16 uranium enrichment program since '91. Previously,  
 17 Iran had acknowledged only a research and  
 18 development program involving lasers, not an  
 19 enrichment program. Given the urgency of the  
 20 United States' efforts to win wide international  
 21 support for shutting down Iran's nuclear weapons  
 22 program, this is surely precisely the wrong time to  
 23 start up a nuclear weapons AVLIS program at  
 24 Livermore.

25 In conclusion, I close with this

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1 statement, DOE would be well-advised to apply to  
 2 the plutonium AVLIS facility the advice offered by  
 3 the U.S. National Research Council in 1989, with  
 4 regard to the SIS plant, and I quote, "Any decision  
 5 to proceed should explicitly consider the  
 6 implications of the technology for nuclear  
 7 proliferation."

8 Thank you.

9 FACILITATOR BROWN: Thank you.

10 MR. LEVENTHAL: And, I'll submit my  
 11 statement to the record.

12 FACILITATOR BROWN: Thank you.

13 Our next speaker is Victoria Samson and  
 14 Arjun Makhijani will follow.

15 MS. SAMSON: Hi, I'm Victoria Samson,  
 16 with the Center for Defense Information in  
 17 Washington, D.C.

18 The recent released draft Site-Wide  
 19 Environmental Impact Statement for the Lawrence  
 20 Livermore National Lab tips the Department of  
 21 Energy's hand toward this plan to not only maintain  
 22 the U.S. Nuclear Arsenal, but to expand it.

23 The plan divulges that Lawrence  
 24 Livermore is likely to develop diagnostics to  
 25 enhance the United States nuclear test readiness

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1 level. This comes on the heels of repeated efforts  
2 by this Administration to do the same.

3 Last year, \$24.89 million was requested  
4 so that DOE could decrease the amount of time  
5 needed to prepare and hold a nuclear test.  
6 Congress, after much debate, approved the amount  
7 and instructed DOE to keep the nuclear test  
8 readiness at its current level, 24 to 36 months.

9 But, in this year's budget request the  
10 Administration decided to ignore earlier  
11 congressional restrictions. Again, funding was  
12 requested for enhanced test readiness, this time  
13 \$30 million is to create 18<sup>th</sup> month readiness level.

14 This 21.4 percent increase over last year comes  
15 after repeated testimony by DOE officials to the  
16 safety and reliability of the U.S. Nuclear Arsenal.

17 The only possible need for new nuclear  
18 testing at this time would be to try out a new  
19 weapon design. In fact, funding has been requested  
20 for just that. The robust nuclear earth  
21 penetrator, or RNF, is portrayed by supporters as a  
22 weapon that could be used against hardened and  
23 deeply buried targets. \$15 million was requested in  
24 FY 04, Congress approved \$7.5 million for the  
25 project, and specified that none of the money could

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1 be used for engineering development.

2 This year, \$27.6 million was requested  
3 for the RNF, an increase of 270 percent. Even more  
4 ambitious is the DOE's five-year plan, in which it  
5 estimates that \$484.7 million will be spent on the  
6 RNF. DOE officials claim that this estimate is  
7 simply a placeholder for R&D work, but half a  
8 billion dollars pushes the RNF well past mere  
9 research project status.

10 The B-83, which has been worked on at  
11 Lawrence Livermore, is often brooded as a possible  
12 candidate for the RNF. Lab officials frequently  
13 promote their institutions as a home for the next  
14 generation of technology, pointing to their work on  
15 Stockpile Stewardship as a beneficiary of that  
16 relationship.

17 However, DOE is doing more than that.  
18 It is moving toward an enhanced nuclear test  
19 readiness posture, and aggressively spending on a  
20 new weapon design whose engineers are likely to  
21 push for testing. This spending will negatively  
22 affect international non-proliferation regimes.  
23 The RNF and enhanced nuclear test readiness levels  
24 show that the United States regards its nuclear  
25 arsenal as insufficient for international security

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cont.10/39.01,  
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1 needs.

2 If we continue to improve our nuclear  
3 arsenal, how can we realistically expect to stop  
4 other countries from following our lead?

5 Thank you.

6 FACILITATOR BROWN: Okay, Arjun, to be  
7 followed by Loulena Miles.

8 MR. MAKHIJANI: Thanks, I'm Arjun  
9 Makhijani. I'm from the Institute for Energy and  
10 Environmental Research in Takoma Park, Maryland.

11 I'm restricting my comments at this  
12 time to the plutonium processing, and I'm going  
13 submit written comments later on.

14 I think I am not convinced by the  
15 accident analysis in the PEIS, in the draft PEIS, I  
16 think, particularly, the accident probabilities  
17 that are being theoretically calculated are far too  
18 low. I've looked at all three analyses of the  
19 Department of Energy in other contexts, like the  
20 tank farm at Savannah River site, and found the  
21 details of the statistical models that are used,  
22 failure probabilities are inadequate taking into  
23 account of actual accidents and grouping them  
24 properly. So, I think typically, so far as my  
25 experience goes, these accident probabilities are

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1 seriously underestimated often. And, in order for  
2 an environmental impact statement to be properly  
3 evaluated by the public I do think that the raw  
4 data on the accidents, and how they have been  
5 grouped, and how the specific industrial experience  
6 of Rocky Flats has been taken into account needs to  
7 be published. A draft should be republished with  
8 this data, because it's not possible for us to  
9 independently evaluate how these accident  
10 probabilities have been developed.

11 And, I think in this case it's  
12 especially important as you are planning, in my  
13 opinion, to create at least a semi-industrial scale  
14 plutonium processing facility in a place where  
15 you've got people living, essentially, across the  
16 street from the site, and the site is not very  
17 large. This is not a Hanford or Savannah River  
18 site with hundreds of square miles that we are  
19 talking about, it's just a little over one square  
20 mile.

21 So, I think the public does need to be  
22 afforded the chance to look at the raw data,  
23 because not only in DOE, but in NASA and other  
24 contexts, officials that are promoting programs are  
25 typically quite optimistic about the rate of

11/25.06  
cont.

12/27.01

11/25.06  
cont.

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1 failure, and then when failure happens and it's  
 2 catastrophic then it's really too late to fix the  
 3 problem, especially when it comes to plutonium  
 4 contamination.

11/25.06  
 cont.

5 My other comment at this stage relates  
 6 to the waste stream. The Appendix N indicates that  
 7 up to 10 kilograms of plutonium americium metal  
 8 will be in the waste every year, maximum if you  
 9 process 100 kilograms of plutonium. This is  
 10 proposed to be sent either to Los Alamos for  
 11 plutonium recovery or to WIPP. Now, the original  
 12 1995 WIPP certification and the baseline inventory  
 13 report of 1995 does not include the disposal of  
 14 Transuranic metal in WIPP.

15 It's been the position of the State of  
 16 New Mexico that they are not going to allow you,  
 17 allow the Department of Energy, to dispose of any  
 18 Transuranic wastes that are not in that 1995 list.

13/27.03

19 And so, I think it's completely inappropriate for  
 20 the Department to have included this as a  
 21 possibility in the draft EIS without any indication  
 22 that it has arrived at some kind of agreement from  
 23 the state and Environment Department of the State  
 24 of New Mexico that this is going to be allowed.

25 The other kind of escape hatch that I

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1 see is that you are going to send the waste to Los  
 2 Alamos for plutonium recovery, but then you are  
 3 going to wind up in the same problem, in that you  
 4 will have plutonium americium waste, albeit of a  
 5 smaller quantity, presumably in metal form, that  
 6 will not be allowed to be disposed of in WIPP. And,  
 7 I don't think that there is any analysis in this  
 8 draft EIS of what's going to eventually happen with  
 9 this waste and where it might be disposed of.

10 And, the other issue that I would like  
 11 to take in the same vein is that Appendix N assumes  
 12 that you are going to receive completely pure  
 13 plutonium metal from Hanford, without any americium  
 14 content. I'm quite mystified by this, because  
 15 Hanford doesn't have any processing capability.  
 16 The fuel-grade plutonium has been sitting around  
 17 there for quite a while. There's going to be quite  
 18 a lot of americium growth in it, so I cannot see  
 19 how Livermore expects to receive clean material. I  
 20 think this is a technically unsupportable  
 21 assumption, and if there is support it would be  
 22 good that it was explicit as to where and how this  
 23 plutonium would be processed just prior to shipment  
 24 to Livermore so that it doesn't contain americium,  
 25 and what's going to happen to that americium and

13/27.03  
 cont.

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1 how it's going to wind up in WIPP. 13/27.03  
 2 Thanks. cont.  
 3 FACILITATOR BROWN: Okay, Loulena Miles  
 4 and Christopher Paine will follow.  
 5 MS. MILES: Hi, my name is Loulena  
 6 Miles, and I'm the Staff Attorney with Tri-Valley  
 7 CAREs, and I've come out from Livermore, California  
 8 today.  
 9 Tri-Valley CAREs has come to all of the  
 10 hearings, and we are here to talk about the fact  
 11 that we believe the lab is moving in the wrong  
 12 direction. We believe it's an inappropriate use of 14/02.01  
 13 taxpayer dollars in a post-Cold War Era to be  
 14 recommitting the lab to an almost exclusive nuclear  
 15 weapons mission for the indefinite future.  
 16 We also feel that it's irresponsible  
 17 for such a community of premier scientific minds to  
 18 conceive of conducting high-risk projects in the 15/14.01  
 19 midst of a seismically active and densely populated  
 20 suburb community as the San Francisco Bay area.  
 21 We will be objecting to a number of  
 22 projects in written comments, but today I just want  
 23 to focus on the plutonium limit, the plutonium in  
 24 the national ignition facility, and some recent  
 25 information, letters that came from the Defense

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1 Nuclear Facility Safety Board.  
 2 Basically, the Site-Wide Environmental  
 3 Impact Statement outlines the plans to more than  
 4 double the amount of plutonium to over 3,000 pounds  
 5 on a site that's only 1.3 square miles. No more  
 6 than a few pounds can be stored safely in one place  
 7 at one time, to avoid criticality. The lab has  
 8 been cited on numerous times before for criticality  
 9 violations.  
 10 As you know, plutonium is also 16/33.01  
 11 pyrophoric and it can spontaneously ignite in  
 12 certain forms and under certain conditions. We are  
 13 very concerned about the safe storage of plutonium,  
 14 and we think that it should not " the level of  
 15 plutonium should not increase, in fact, it should  
 16 decrease as was stated in the 1992 Site-Wide  
 17 Environmental Impact Statement.  
 18 So, recently on April 12, 2004, the  
 19 Defense Nuclear Facility Safety Board drafted a  
 20 letter to Lenton Brooks, the NMSA Administrator,  
 21 outlining some very serious concerns that they had  
 22 with the way that the Livermore Lab has been  
 23 downgrading their filtration system around the  
 24 plutonium " let me just quote it, "Of particular  
 25 concern to the Board is the new approach adopted by

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1 the Lab to allow unfiltered release of radioactive  
2 material from the facility during accident  
3 scenarios." They talk about the ventilation  
4 system, portions of the ventilation system have  
5 been downgraded from their high reliability, and  
6 the letter calls for a response within 30 days to  
7 these allegations.

8 And, I want to just give you a little  
9 bit more specific information, and I want this to  
10 be a part of the record, and I want to evaluate it  
11 in the final document.

12 Many components of the safety class  
13 system in Building 332, the plutonium facility,  
14 have been downgraded, including the emergency power  
15 system, portions of the glove box ventilation  
16 system, portions of the room ventilation system,  
17 and the fire detection and suppression systems.

18 They say, "Livermore is pursuing a new  
19 approach to accident analysis in that potentially  
20 harmful consequences to the public are mitigated by  
21 the structural boundaries of Building 332, rather  
22 than the ventilation system. In the past, Building  
23 332 relied on a safety class active ventilation  
24 system. To ensure radioactive materials released  
25 during an accident, such as fire, would be forced

17/25.07

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1 through a series of HEPA filters before being  
2 released to the outside environment. Under this  
3 new approach, it is assumed that the building's  
4 leak paths would physically reduce the release of  
5 unfiltered contaminants."

6 The reason the Lab is reducing the  
7 safety in the plutonium facility is because they  
8 have used some computer modeling, and the DNFSB has  
9 pointed out some of the errors in their computer  
10 modeling, including the fact that the model fails  
11 to account for the additional leak paths that would  
12 result from the use of emergency exit doors by  
13 personnel as they evacuate the building during a  
14 fire. And, they go on to say, in case you didn't  
15 know, evacuation is essential for worker  
16 protection, as described in the facility specific  
17 fire hazard analysis.

18 Another thing about their calculations  
19 is that they base the scenario on the fire lasting  
20 for only 30 minutes. In reality, the Board goes on  
21 to say that, "Such an event could continue for days  
22 until any airborne radioactive material released by  
23 the fire into the internal facility atmosphere had  
24 been removed by settlement, or released to the  
25 outside environment, or moved through remedial

17/25.07  
cont.

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1 actions." And so, basically, they are saying that  
2 releases will continue to occur for much longer  
3 than 30 minutes, and could go on for days, and that  
4 the model does not look at the amount that would be  
5 coming from that.

17/25.07  
cont.

6 And, another thing they talk about is  
7 that there's a sensitivity in the calibrations that  
8 needs to be done and the Livermore Lab did not do  
9 that in conducting the computer modeling for the  
10 input parameters.

11 So, that was one example of Livermore  
12 Lab downgrading their security systems around  
13 plutonium, the very material that the Lab was  
14 proposing to increase so significantly, over 100  
15 percent, to over 3,000 pounds, a very difficult  
16 material to store safely.

17 Another news event that's recently  
18 occurred is that the General Accounting Office has  
19 called for the Livermore Lab to "or is saying that  
20 the Livermore Lab should probably be reducing the  
21 plutonium on site because of safety considerations.

22 In light of the DNFSB and the GAO  
23 information that's coming out, we urge that the  
24 determination to increase plutonium does not go  
25 forward, and that actually the plutonium on site is

16/33.01  
cont.

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1 decreased.

16/33.01  
cont.

2 And additionally, I just wanted to say  
3 a few words about the plutonium in the national  
4 ignition facilities. Basically, the Site-Wide  
5 Environmental Impact Statement does propose to  
6 include plutonium in the national emission  
7 facility. This is something that was in the  
8 initial reports around the national emission  
9 facility, however, the Lab did a non-proliferation  
10 review in 1995 that stated that fissile materials  
11 would not be included in the national emission  
12 facility at that time, and that part of the reason  
13 that the national ignition facility was not a great  
14 proliferation risk is because there will not " it  
15 is limited in the amount of weapons development  
16 information that it can provide.

18/01.01

17 And now, with the proposed new  
18 materials, that does increase significantly the  
19 usefulness of the national ignition facility for  
20 weapons development. As Ray Kidder said at the  
21 Livermore Lab hearings, who is a former scientist  
22 of Livermore Lab, and who founded the " one of the  
23 founders of the laser programs at the Lab, he said  
24 that this could even increase the usefulness of NEF  
25 for new weapons production, including weapons that

14/02.01  
cont.

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1 are not currently in the arsenal at all. And, this  
 2 is a significant concern for Tri-Valley CAREs. We  
 3 are calling for a proliferation analysis as part of  
 4 the NEPA review.

14/02.01  
 cont.

5 And, we would like the draft  
 6 Environmental Impact Statement to be recirculated,  
 7 so that the community could have an opportunity to  
 8 comment on the proliferation analysis and the  
 9 adequacy of that.

18/01.01  
 cont.

10 So, I would just like to close in  
 11 saying that we feel it's reprehensible for the  
 12 Department of Energy to be moving forward with  
 13 plans to increase plutonium and such high-risk  
 14 experiments at the Lab, also increase the bio-  
 15 warfare agent programs at the Lab, at a time when  
 16 the security is being severely questioned by many  
 17 oversight entities, and the population increase is  
 18 so significant in the San Francisco Bay area.

19/04.01

19 Thank you.

20 FACILITATOR BROWN: Christopher Paine,  
 21 followed by Jim Bridgman.

22 MR. PAINE: My name is Christopher  
 23 Paine, and I'm a Senior Analyst with the Nuclear  
 24 Program of the National Resources Defense Council.

25 I'm going to go back to 1989, the year

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1 the Berlin Wall came down. At that time, DOE's  
 2 budget for nuclear weapons activities was \$4.25  
 3 billion, that's about \$5.5 billion in today's  
 4 dollars, and Lawrence Livermore's piece of that  
 5 budget was \$577 million, or about 13.5 percent.

6 Employment at LLNL stood at 8,200 full-  
 7 time equivalents at that time, half of whom were  
 8 supported by the DOE Nuclear Weapons Research  
 9 Development and Testing Program.

10 Today, 15 years later, the Berlin Wall  
 11 has disappeared. So has the Evil Empire, and the  
 12 Soviet Communism that built it, but the DOE budget  
 13 requests for nuclear weapons activities now stands  
 14 at \$6.81 billion, far above the Cold War average  
 15 support level of \$4.2 billion in current dollars.  
 16 Lawrence Livermore's piece is a little under a  
 17 billion, or 14 percent above where it was when the  
 18 Wall came down.

19 Livermore's employment stands at 10,600  
 20 personnel, 30 percent above the 1989 level. The  
 21 plutonium AVLIS project has been secretly, and in  
 22 our view illegally, revived. This, frankly, is a  
 23 ludicrous situation, and it should have been  
 24 avoided.

25 In 1995, the Department's own Secretary

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20/27.01



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1 of Energy Advisory Board Task Force on Alternative  
2 Futures for the Nuclear Weapons Laboratories, the  
3 so-called John Galvin Commission, named after the  
4 retired Chairman of Motorola, that August body  
5 recommended a restructuring of weapon design  
6 capabilities among the three nuclear weapons design  
7 laboratories, and noted that, "The restructuring  
8 would affect, primarily, weapons design  
9 capabilities where the largest functional  
10 redundancy exists, specifically, Lawrence Livermore  
11 National Laboratory."

12 The Galvin Commission recommended, "In  
13 light of the revised U.S. nuclear weapons  
14 requirements, including a planned reduction to  
15 around 5,000 weapons by 2003," they recommended  
16 that Livermore should transfer, as cost efficiency  
17 allows, its activities in nuclear materials  
18 development and production to the other design  
19 laboratories. The proposed restructuring would  
20 also have included all of Livermore's direct  
21 stockpile support activity to other " transferred  
22 to other weapons laboratories.

23 The Clinton Administration, to its  
24 lasting discredit, did not act on this  
25 recommendation when the political door to

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21/08.01

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1 significant de-nuclearization was still open. The  
2 result has been a steady restoration and expansion  
3 of redundant nuclear weapons capabilities at  
4 Livermore, duplicating similar capabilities at Los  
5 Alamos, Sandia and the Nevada Test Site, in some  
6 cases resulting in weapons research and development  
7 capabilities in triplicate.

8 This document which is before us today,  
9 in this document NNSA proposes to modernize and  
10 significantly expand LLNL's plutonium processing  
11 inventories and pit fabrication operations,  
12 upgrading and expand tritium operations, and build  
13 brand new centers for high explosive development  
14 energetic materials processing at Site 300. All  
15 these capabilities already exist in some form in  
16 one or more DOE sites. Moreover, the Livermore  
17 site, penned in by suburbs as other commenters have  
18 noted, with hazardous activities densely packed  
19 within a one and a third square mile area, is  
20 highly vulnerable to external attack, and it's  
21 hardly the most appropriate place, and I would  
22 accentuate, the most reasonable place, for these  
23 activities to be conducted.

24 I mean, please recall that reasonable  
25 is an important criteria under NEPA.

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22/04.01

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1 Another example of redundancy, in an  
2 age when the network is the computer, perhaps, the  
3 most egregious example of excess is the recent  
4 construction by NMSA at all three nuclear weapons  
5 laboratories of new supercomputing centers at an  
6 average cost of \$2.9 billion per laboratory to fit  
7 each with state-of-the-art weapon simulation  
8 capabilities. I question, hasn't anyone at NSA  
9 heard of secure networking? One wonders.

10 By pointing out the extravagant  
11 redundancies that exist within the complex today, I  
12 do not mean to project that Livermore should bear  
13 the full brunt of any necessary consolidation, but  
14 only that some form of consolidation and 23/08.01  
15 rationalization of the complex is reasonably  
16 indicated. For example, Livermore has long  
17 demonstrated, and continues to demonstrate today, a  
18 comparative advantage over Los Alamos in weapons  
19 computing and software development. In a  
20 rationalized and restructured complex that should  
21 have been analyzed as a reasonable alternative for  
22 Livermore under this EIS, Livermore could be made  
23 the lead laboratory for weapons computing, and  
24 retain sufficient competence and technology base to  
25 continue its activities in non-proliferation,

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1 nuclear materials protection, homeland security,  
2 intelligence support and verification, while  
3 phasing out or transferring to other sites its  
4 weapons plutonium, uranium, tritium, high  
5 explosives, radiographic hydro tests and warhead  
6 stockpile support functions.

7 This alternative, which was outlined by 23/08.01  
8 the Galvin Commission in the mid '90s, and which cont.  
9 is, in effect, being secretly considered today by  
10 senior DOE officials, was not examined as a  
11 reasonable alternative in the EIS, and that is, I  
12 would remind everyone, legally unacceptable.

13 In light of the historical background  
14 just noted, it's clear that some fundamental  
15 premises of the current document are simply  
16 invalid. For example, the document states and  
17 stipulates, without any support, that achieving the  
18 goals of the stewardship program requires the 24/02.01  
19 continued operation of Lawrence Livermore National  
20 Laboratory. That simply is not true, and is easily  
21 demonstrated.

22 Even if Livermore disappeared tomorrow  
23 in an earthquake, the United States would be left  
24 with a very robust nuclear deterrent, and with full  
25 capabilities for maintaining the stockpile.

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1 Livermore is responsible now for only about 20  
 2 percent of the total U.S. war reserve stockpile, 24/02.01  
 3 and by 2009 Livermore's fraction will be reduced to cont.  
 4 around 15 percent.

5 There are only four designs still in  
 6 the stockpile that Livermore is connected with, the  
 7 W-62 and the W-87, intercontinental ballistic  
 8 missile warheads, the W-84 cruise missile warhead,  
 9 and the B-83 bomb. The W-94 warheads are ground  
 10 launch cruise missile warheads whose delivery  
 11 systems were eliminated 15 years ago. They are not  
 12 maintained as part of the active nuclear weapons  
 13 stockpile. 25/01.03,  
 14 02.01,  
 15 08.01

16 Implementing the Moscow Treaty, W-62,  
 17 in May of 2002, will result in the retirement of  
 18 all 600 remaining Livermore designed W-62 ordnates  
 19 by 2009. And, within the ten-year period covered  
 20 by this document, Livermore will have only two  
 21 warhead types, the W-87 and the B-83, remaining in  
 22 its stockpile.

23 But, for the next five years the  
 24 renovation of the B-83 is not scheduled, so this is  
 25 a five-year window here at least, in which NSA  
 could easily restructure weapons support activities  
 within the complex, close out those functions,

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1 including fissile material operations at Livermore,  
 2 with no, I repeat, no disruption of the current  
 3 report activities for the nuclear stockpile.

4 Now, DOE, recognizing that Lawrence  
 5 Livermore weaponeers don't have a lot to do, 25/01.03,  
 6 "redistributed the workload" and moved a Los Alamos 02.01,  
 7 design, the air launch cruise missile, the W-80, 08.01  
 8 moved that design back to Livermore, so that cont.  
 9 Livermore would have something to do. And so,  
 10 there's the question that DOE would have to face of  
 11 taking those activities and moving them back to Los  
 12 Alamos where they should never have left.

13 There has to be a better way to deal  
 14 with a nuclear deterrent than returning to the  
 15 spending levels and programs of the Cold War, but  
 16 you won't find that reasonable alternative anywhere  
 17 in this draft EIS.

18 And, just to demonstrate how artificial  
 19 and artificially constrained the reasonable 26/31.01,  
 20 alternatives are in this EIS, just look at " I did, 08.01,  
 21 I compiled a list of the environmental metrics and 02.01  
 22 how much they vary between the various alternatives  
 23 from the environmental baseline in 2002, and they  
 24 vary typically by -5, +5, -10 to +10 percent among  
 25 all the alternatives. I mean, if there's no more

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1 dramatic demonstration then these alternatives are  
 2 not really alternatives, they result in almost no  
 3 environmental significant difference in the last  
 4 impacts. 26/31.01,  
 08.01,  
 02.01  
 cont.

5 FACILITATOR BROWN: You are at the nine-  
 6 minute mark.

7 MR. PAINE: Thank you.

8 And finally, another obvious defect of  
 9 the document is it contains no consideration of  
 10 reasonably foreseeable impacts on nuclear weapons  
 11 proliferation, both vertical and horizontal, from,  
 12 as noted by an earlier commenter, from restarting  
 13 the laser isotope separation facilities, but also  
 14 from developing detailed physics models and  
 15 computer algorithms for simulating each stage in  
 16 the nuclear explosion sequence, and some of the  
 17 physics models that are being developed are being  
 18 developed in the unclassified literature. Detailed  
 19 implementation of those and conversion into  
 20 computer algorithms is kept classified, but the  
 21 necessary knowledge is being developed unclassified  
 22 in various external research programs, often using  
 23 alternative materials, and that knowledge can very  
 24 easily be extended into the weapons domain. 27/01.01,  
 26.01

25 And finally, there's the use of fissile 28/26.01

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1 materials in the national ignition facility, a step  
 2 that DOE expressly denied it was interested in, and  
 3 essentially lied about when Congress first provided  
 4 funds for construction for this facility back in  
 5 1997. 28/26.01  
 cont.

6 I'd like my written statement to be  
 7 made part of the record.

8 FACILITATOR BROWN: Thanks.

9 Jim Bridgman.

10 MR. BRIDGMAN: Good morning, my name is  
 11 Jim Bridgman. I'm the Program Director at the  
 12 Alliance for Nuclear Accountability. The Alliance  
 13 for Nuclear Accountability is a national network of  
 14 over 30 organizations working together to ensure  
 15 quality clean up of the nuclear weapons complex  
 16 while trying to prevent future contamination and  
 17 health effects by opposing unnecessary nuclear  
 18 weapons research, development, production, testing  
 19 and above all their use.

20 The Alliance for Nuclear Accountability  
 21 has long been a champion of public participation  
 22 and recognizes this opportunity required by the  
 23 National Environmental Policy Act to comment on the  
 24 Department of Energy's plans for one of the  
 25 Nation's most significant nuclear weapons

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1 laboratories.

2 The plans for Livermore contained in  
3 this document speak volumes about the intended  
4 future mission of the nuclear weapons complex. The  
5 term stockpile enrichment, not stockpile  
6 stewardship, would more accurately reflect the  
7 ambitious and expensive course the Bush  
8 Administration has laid out for modernizing the  
9 arsenal and weapons complex in ways that far  
10 surpass a mission of stewardship for a declining  
11 arsenal.

12 DOE's stockpile enrichment at Livermore  
13 includes plans to increase storage limits of  
14 plutonium from 1,500 to 3,300 pounds. What does  
15 this mean? Plutonium is about ten times more toxic  
16 than nerve gas. Dispersion of just 3-1/2 ounces of  
17 plutonium could kill every person in a large office  
18 building. Thirty-three hundred pounds is enough  
19 for over 15,000 such dirty bombs, and enough for  
20 over 500 nuclear warheads. 29/33.01

21 Allowing this kind of material in an  
22 area like Livermore, that has 75,000 people, 20,000  
23 families, and a population density of 3,000 people  
24 per square mile, for the purpose of national  
25 security is the height of irony and 30/23.01

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1 irresponsibility. And, I might add that the  
2 terrorist threats of theft are, therefore, an 31/30.01  
3 environmental and public health risk.

4 In addition to using this plutonium in  
5 experiments for the national ignition facility and  
6 AVLIS that DOE wants Livermore to develop the  
7 production line prototype for a modern pit  
8 facility, so it can try to figure out how to make  
9 the very messy job of creating plutonium pits, the  
10 cores and triggers of modern nuclear weapons, into  
11 a less messy one.

12 DOE's plutonium pit production at Rocky  
13 Flats was shut down after an FBI raid in 1989,  
14 because of dangerous fires in the " environmental 32/37.01  
15 contamination and mismanagement, costing U.S.  
16 taxpayers more than \$7 billion to partially clean  
17 up.

18 The DOE wants Livermore to gin up some  
19 new plutonium pit production techniques using  
20 robotics, so it can pretend that making nuclear  
21 weapons is not such a big deal. Yet, making  
22 nuclear weapons is, and always will be, a very big  
23 deal, whether it's done in the United States or any  
24 other country in the world.

25 Livermore is to help lay the groundwork

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1 for a new plutonium bomb plant that will cost  
 2 taxpayers billions of dollars to construct,  
 3 hundreds of millions to operate each year, and  
 4 billions more to clean up. The modern pit facility  
 5 would, according to DOE plans, produce 125 to 450  
 6 pits per year, to maintain a "war size nuclear  
 7 arsenal." Yet, the United States is a wash in  
 8 plutonium pits, with over 10,000 in tact warheads  
 9 and another estimated 12 to 15,000 pits in storage  
 10 at the Pantex Plant in Texas. These pits are not  
 11 falling apart, as some members of Congress and  
 12 officials claim, studies by the DOE's own lab  
 13 scientists have shown plutonium pits are lasting  
 14 much longer than previously believed.

32/37.01  
 cont.

15 The United States should be reducing  
 16 its arsenal, not building new weapons, as agreed to  
 17 both in the recent Strategic Offensive Reductions  
 18 Treaty between the United States and Russia, and in  
 19 the mandate to disarm its nuclear arsenals under  
 20 Article 6 of the Non-Proliferation Treaty, the  
 21 treaty having more participants than any other  
 22 treaty outside the U.N. Charter, and which the  
 23 United States affirmed as recently as 2000, during  
 24 the MPT Review Conference.

33/01.01

25 Implementing reductions in the

32/37.01  
 cont.

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1 stockpile will enable the United States to jettison  
 2 its older warheads, thus further lowering the  
 3 average age of the stockpile and further delaying  
 4 any need for new plutonium pits.

32/37.01  
 cont.

5 The DOE doesn't just want the ability  
 6 to produce replacement warheads for the massive  
 7 arsenal, however, it wants to have the ability to  
 8 build new kinds of nuclear warheads, so-called  
 9 "mini-nucs," new cruise missile warheads and other  
 10 advanced concepts. Building such weapons could  
 11 well lead to a resumption of their testing.

12 The production and testing of new types  
 13 of nuclear weapons would send a crystal clear  
 14 message to the rest of the world, the United States  
 15 has no interest in nuclear arms control unless it  
 16 means controlling other nations' nuclear weapons.  
 17 We strongly oppose this Administration's vision  
 18 that would allow the United States to remain an  
 19 entrenched nuclear power, that prioritizes counter-  
 20 proliferation over non-proliferation, reduction of  
 21 weapons of mass destruction above the production of  
 22 good will through diplomacy.

34/02.01

23 The Alliance for Nuclear Accountability  
 24 strongly supports an action alternative for  
 25 Livermore that seeks an orderly phase out of its

35/08.02

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1 nuclear weapons programs in observance with the  
 2 Non-Proliferation Treaty, that seeks to foster cost  
 3 of research that is truly beneficial to human  
 4 health and the environment. This plan, by 35/08.02  
 5 comparison, is an imitation disaster, both in the cont.  
 6 risks it imposes on the Livermore community, and in  
 7 the threat it poses to the global non-proliferation  
 8 regime.

9 At a time of record budget deficits,  
 10 the Livermore plan will be charged on the national  
 11 credit card for the future generations to pay, the 36/03.01  
 12 same generations that will have to pay for the  
 13 health care and clean up in and around the  
 14 Livermore site. What a risk.

15 FACILITATOR BROWN: Thanks.

16 That concludes the list of speakers who  
 17 signed up ahead of time. If there's anybody here  
 18 who would like to make further comments, or add to  
 19 the comments you made, you are certainly welcome to  
 20 do so.

21 Diane, okay.

22 MS. D'ARRIGO: Hi, I'm Diane D'Arrigo  
 23 with Nuclear Information and Resource Service. We  
 24 are a 25-year old, Washington-based, D.C.  
 25 organization which has affiliates around the world

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1 actually, with the World Information Service on  
 2 Energy.

3 We have very serious concerns about the  
 4 ten-year plan for Livermore and its potential to "  
 5 well, its clear intent to create more radioactive  
 6 waste, to double the amount of plutonium that can 37/04.01  
 7 be on the site, to bring ten times higher amounts  
 8 of tritium to the site, to create waste that will  
 9 be routinely emitted into the air and water in the  
 10 vicinity, and for which there's no safe, permanent  
 11 solution.

12 And so, our concerns are largely  
 13 environmental, but we also believe that there's no  
 14 good reason for the increases in the risks and the  
 15 threats. Plutonium is clearly one of the most  
 16 toxic elements in the world, and to handle it in  
 17 the way that's proposed, aerosolizing and the AVLIS 38/27.01  
 18 project, we are on record as opposing these  
 19 projects in the past, and repeat that opposition  
 20 today.

21 Adding to the radioactive risks of bio  
 22 warfare agents is foolhardy and unacceptable. We  
 23 oppose the plans for the AVLIS, for the tritium  
 24 targets, for the increase in the plutonium limits, 37/04.01  
 25 in the increase in the tritium level that would be cont.

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1 allowed on site. We oppose the steps that this  
2 would bring to " the steps that this would take to 37/04.01  
3 bring us to renewed testing, at the Nevada Test cont.  
4 Site or elsewhere.

5 The nuclear weapons complex clearly has  
6 no plan for what to do, no acceptable plan for what  
7 to do with the wastes that have already been  
8 generated. Our organization is working to prevent  
9 the current plans and the current activities of the  
10 Department of Energy to routinely release these  
11 materials into every-day consumer goods, recycling 39/22.04  
12 and releasing these materials as if not radioactive  
13 is part of the management plan for radioactive  
14 waste that's generated. We have expressed our  
15 opposition to the existing Order 5400.5, and all of  
16 the efforts that the Department has made to reverse  
17 the ban that was put in place on recycling  
18 radioactive metal, believe that moving in this  
19 direction at this site is a step in the wrong  
20 direction, and also have concerns about the  
21 Environmental Species Act violations, the " you 40/16.03  
22 know, increasing the kill rate, the acceptable  
23 takings.

24 And, of course, in a seismic area there 41/14.01  
25 are operational problems. We are currently

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1 intervening in many commercial reactor situations,  
2 based on the technical dangers of nuclear  
3 technology and believe that adding a bio warfare 41/14.01  
4 agent program and accelerating plutonium and other cont.  
5 activities, tritium activities, in such close  
6 proximity to clear seismic dangers is also  
7 foolhardy.

8 We support the conversion of the lab to  
9 civilian research, and believe that the efforts  
10 should be put toward cleaning up the site  
11 completely to isolating the waste, not disbursing 42/07.01  
12 it, pretending it's not radioactive, and creating  
13 more wastes, when you've got nothing to do with  
14 what we've already generated.

15 Thank you.

16 FACILITATOR BROWN: Okay.

17 Is there anybody else who would like to  
18 add comments at this time?

19 Okay, we are scheduled, officially, I  
20 think to run somewhat longer, so customarily what  
21 we do in these circumstances is, we take a recess,  
22 folks are free at this point to talk to your  
23 neighbors, talk to DOE, head for home, whatever,  
24 and if someone decides they'd like to add comments,  
25 or if someone else shows up to speak, we will

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1 reconvene and take their statement.  
2 So, we will recess at this point.  
3 Thank you.  
4 (Whereupon, at 11:57 a.m., a recess  
5 until 12:59 p.m.)  
6 FACILITATOR BROWN: It's 1:00, and I'm  
7 reconvening the Washington meeting of the Site-Wide  
8 Environmental Impact Statement, and asking if there  
9 are any other members of the public who would like  
10 to make a statement at this time?  
11 Noting that there are no members of the  
12 public present at this point, and it being 1:00,  
13 this meeting is officially adjourned.  
14 Thanks very much.  
15 (Whereupon, the above-entitled matter  
16 was concluded at 12:59 p.m.)  
17  
18  
19

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